

azure serverless computing cookbook

2nd edition pdf free download

azure serverless computing cookbook 2nd edition pdf free download has become a highly sought-after resource for developers, IT professionals, and cloud enthusiasts aiming to deepen their understanding of serverless architectures on Microsoft Azure. As cloud computing continues to revolutionize how applications are built and deployed, mastering Azure's serverless offerings is essential for staying competitive and innovative. This comprehensive guide explores what the second edition of the Azure Serverless Computing Cookbook offers, how to access it legally and ethically, and the key topics covered within its pages.

Understanding the Significance of the Azure Serverless Computing Cookbook 2nd Edition

What Is the Book About?

The Azure Serverless Computing Cookbook 2nd Edition is a practical, hands-on guide that provides step-by-step recipes for building, deploying, and managing serverless applications on Azure. It is designed for developers, architects, and DevOps teams who want to leverage Azure Functions, Logic Apps, Event Grid, and other serverless services to create scalable and efficient applications.

Why the 2nd Edition Matters

The second edition reflects the latest updates and features introduced by Microsoft Azure, ensuring readers are equipped with current best practices. It covers new service integrations, improved security measures, and deployment strategies that align with the evolving landscape of cloud computing.

Legitimate Ways to Access the Book

Official Purchase Options

While many seek free downloads, it's important to support authors and publishers by acquiring the book through legitimate channels:

- **Publisher's Website:** Check platforms like Packt Publishing, which often offer direct purchases or access through subscriptions.
- **Online Retailers:** Websites like Amazon, Barnes & Noble, or Book Depository carry physical and Kindle editions.
- **Digital Libraries and Subscriptions:** Services such as O'Reilly Online Learning or Safari Books Online may provide access as part of their subscription packages.

Legal Considerations and Risks of Free Downloads

Avoid sources that offer the book for free without proper authorization, as this may infringe on copyright laws and expose your device to malware. Supporting authors ensures continued creation of quality educational content.

Free Resources and Sample Chapters

Some publishers or authors offer free sample chapters or previews on their websites or platforms like Google Books. These can provide valuable insights into the book's content before purchasing.

Key Topics Covered in the Azure Serverless Computing Cookbook 2nd Edition

Introduction to Azure Serverless Architecture

- Overview of serverless computing concepts
- Benefits of adopting serverless on Azure
- Comparison with traditional cloud deployment models

Getting Started with Azure Functions

- Creating your first Function App
- Understanding triggers and bindings
- Managing Function deployments

- Code samples in C, JavaScript, and Python

Implementing Serverless Logic with Logic Apps

- Designing workflows with Logic Apps
- Connecting to various data sources and services
- Automating business processes

Event-Driven Architecture with Event Grid and Event Hubs

- Setting up event routing and handling
- Building real-time data processing pipelines
- Integrating with other Azure services

Securing Serverless Applications

- Authentication and authorization strategies
- Managing secrets with Azure Key Vault
- Implementing network security best practices

Scaling and Monitoring

- Autoscaling configurations
- Monitoring with Azure Monitor and Application Insights
- Troubleshooting common issues

Deployment and DevOps Practices

- Continuous Integration/Continuous Deployment (CI/CD) pipelines
- Infrastructure as Code with ARM templates and Bicep
- Version control best practices

Advanced Topics

- Building serverless APIs
- Integrating with AI and Cognitive Services
- Cost optimization strategies

Benefits of Using the Cookbook as a Learning and Development Resource

1. **Practical Guidance:** Step-by-step recipes help readers implement real-world solutions efficiently.
2. **Updated Content:** Incorporates the latest Azure features and best practices.
3. **Diverse Topics:** Covers foundational concepts to advanced integrations, catering to various skill levels.
4. **Code Samples and Examples:** Provides ready-to-use code snippets for quick implementation.
5. **Problem-Solving Focus:** Addresses common challenges faced during serverless application development.

How to Make the Most of the Book Without a Free PDF Download

Utilize Official Resources

- Access free tutorials, videos, and webinars provided by Microsoft and other reputable sources.
- Participate in Azure workshops and community events.

Leverage Online Communities

- Join forums like Stack Overflow, Microsoft Tech Community, or Reddit's Azure channel.
- Engage with peers to exchange tips and troubleshoot issues.

Explore Open-Source Projects

- Study GitHub repositories related to Azure serverless solutions.
- Contribute to or adapt existing projects for personal learning.

Attend Training and Certification Programs

- Consider Microsoft's official training courses on Azure serverless services.
- Pursue certifications such as Azure Developer Associate to validate your skills.

Conclusion

Obtaining the Azure Serverless Computing Cookbook 2nd Edition through legal and ethical means is highly recommended to support authors and publishers while gaining access to high-quality content. Whether you choose to purchase a physical copy, an e-book, or access it via subscription services, this resource can significantly accelerate your journey into building scalable, efficient, and secure serverless applications on Azure. The book's comprehensive coverage, practical recipes, and up-to-date information make it an invaluable tool for developers eager to harness the full potential of Azure's serverless computing ecosystem. Embrace the learning opportunities it offers and elevate your cloud development skills to new heights.

Frequently Asked Questions

Is the 'Azure Serverless Computing Cookbook 2nd Edition' available for free download in PDF format?

While some sources may claim to offer free PDFs of the 'Azure Serverless Computing Cookbook 2nd Edition,' it's important to access it through legitimate channels to respect copyright. Official publishers or authorized platforms may provide free sample chapters or promotions, but the full book typically requires purchase.

What topics are covered in the 'Azure Serverless Computing Cookbook 2nd Edition'?

The book covers a wide range of topics including Azure Functions, Logic Apps, Event Grid, Cosmos DB integration, DevOps practices for serverless, security considerations, and real-world use cases for building scalable serverless applications.

How can I legally obtain the 'Azure Serverless

Computing Cookbook 2nd Edition' PDF?

You can legally obtain the PDF by purchasing it through official retailers like Amazon, or by checking if the publisher offers a free or discounted copy via their website or authorized educational platforms. Additionally, some libraries or online learning platforms may provide access to the digital version.

Are there online resources or tutorials associated with the 'Azure Serverless Computing Cookbook 2nd Edition'?

Yes, many publishers and authors provide supplementary online resources, tutorials, and code samples related to the book. Checking the publisher's website or the book's official page can give access to these helpful materials.

What are the benefits of using the 'Azure Serverless Computing Cookbook 2nd Edition' for developers?

The book offers practical recipes, best practices, and real-world examples that help developers quickly learn how to build, deploy, and manage serverless applications on Azure, enhancing their skills and accelerating project development.

Can I use the 'Azure Serverless Computing Cookbook 2nd Edition' as a learning resource for Azure certifications?

Absolutely. The book covers core concepts and practical implementations that can complement your exam preparations for Microsoft Azure certifications related to serverless computing and cloud development.

Additional Resources

Azure Serverless Computing Cookbook 2nd Edition PDF Free Download: An In-Depth Review and Analysis

In the rapidly evolving landscape of cloud computing, Azure Serverless Computing Cookbook 2nd Edition emerges as a pivotal resource for developers, architects, and IT professionals seeking to harness the power of serverless architectures on Microsoft's Azure platform. As the second edition of this well-regarded cookbook, it aims to bridge the gap between theoretical concepts and practical implementation, providing readers with a comprehensive toolkit to design, develop, and deploy serverless solutions efficiently. This article offers an in-depth review, exploring the content, relevance, accessibility, and potential benefits of obtaining the book, particularly

focusing on the popular query: Azure Serverless Computing Cookbook 2nd Edition PDF free download.

Understanding the Significance of the Book in Cloud Computing

What is Serverless Computing?

Serverless computing, often misunderstood as "no servers," is a cloud execution model where cloud providers dynamically manage the allocation and provisioning of servers. Developers focus solely on writing code, while the platform handles infrastructure concerns such as scaling, patching, and maintenance. Azure Functions, Logic Apps, Event Grid, and other Azure services form the backbone of this paradigm, offering scalable, event-driven, and cost-efficient solutions.

The Role of the Cookbook Format

Cookbooks in software development serve as practical guides, presenting recipes—step-by-step instructions—to solve common problems. Unlike traditional textbooks that emphasize theory, cookbooks prioritize hands-on approaches, making complex topics accessible through real-world examples. The Azure Serverless Computing Cookbook 2nd Edition adopts this format, making it highly valuable for practitioners who prefer learning by doing.

Overview of the 2nd Edition: What's New and Improved

The second edition builds upon the strengths of its predecessor, incorporating recent updates to Azure services, best practices, and advanced scenarios.

Updated Content for the Modern Cloud Era

- Inclusion of Latest Azure Services: The book covers new features in Azure Functions, Durable Functions, Azure Logic Apps, and Event Grid, reflecting the current state of Azure serverless offerings.
- Enhanced Security and Compliance: Given the increasing importance of data

security, the book dedicates sections to securing serverless applications, managing identities, and implementing compliance standards.

- Cost Optimization Strategies: It emphasizes cost management techniques, helping organizations maximize ROI.

Advanced Use Cases

Beyond foundational recipes, the second edition explores complex architectures such as:

- Serverless microservices
- Event-driven data processing pipelines
- Integration with AI and machine learning services
- Real-time analytics scenarios

Content Breakdown and Key Topics

The book meticulously covers a broad spectrum of topics, structured into logical chapters designed for progressive learning.

Core Chapters and Their Focus

1. Getting Started with Azure Serverless: Basic setup, understanding triggers and bindings, creating your first Azure Function.
2. Developing Serverless Applications: Writing functions in multiple languages (C, JavaScript, Python), deploying via CLI, Visual Studio, or DevOps.
3. Managing State and Durability: Utilizing Durable Functions for orchestrations, managing stateful workflows.
4. Event-Driven Architecture: Integrating Azure Event Grid, Service Bus, and Event Hubs for reactive solutions.
5. Security and Identity Management: Implementing authentication, authorization, and secrets management.
6. Monitoring and Troubleshooting: Using Application Insights, Log Analytics, and other tools for observability.
7. Scaling and Cost Management: Auto-scaling strategies, cost estimation, and optimization.
8. Real-World Use Cases: Building serverless APIs, chatbots, IoT solutions, and data processing pipelines.

Practical Recipes and Examples

Each chapter is peppered with practical recipes, such as:

- Creating a serverless API backend

- Setting up event-driven workflows
- Securing functions with Azure AD
- Connecting serverless functions with Cosmos DB
- Implementing retries and error handling

These recipes often include code snippets, configuration files, and deployment scripts, making them immediately actionable.

Accessibility and Availability: The PDF Download Question

One of the most common inquiries surrounding this book is about acquiring a free PDF download. While the desire for free access is understandable, it's crucial to consider the implications and the best practices.

Legal and Ethical Considerations

- Copyright and Licensing: The Azure Serverless Computing Cookbook 2nd Edition is a copyrighted work. Downloading unauthorized copies infringes on intellectual property rights and deprives authors and publishers of deserved revenue.
- Supporting Authors and Publishers: Purchasing or accessing through legitimate channels ensures that creators are compensated, encouraging the production of high-quality educational material.

Legitimate Ways to Access the Book

- Official Publisher Websites: Wiley, O'Reilly, or other publishers often offer e-book versions for purchase or subscription.
- Libraries and Educational Institutions: Many university or public libraries provide digital access or lending options.
- Free Samples and Chapters: Some publishers or authors provide free chapters or sample pages which can be beneficial as an introduction.
- Promotional Offers: Occasionally, publishers or online platforms run discounts or bundle deals.

Alternatives to Free PDF Downloads

- Open Educational Resources: While specific titles like this are typically paid, there are numerous free resources, tutorials, and documentation available on Microsoft's official documentation site.
- Online Courses and Webinars: Platforms like Coursera, Udemy, or Microsoft

Learn offer guided learning paths that complement the book's content.

Benefits of Using the Book as a Learning and Reference Tool

Structured Learning Path

The book's logical progression from foundational concepts to advanced topics makes it suitable for learners at various stages, from beginners to seasoned professionals.

Hands-On Approach

Practical recipes allow readers to immediately implement solutions, reinforcing learning through experimentation.

Up-to-Date Content

With the latest Azure features incorporated, users can stay current with industry best practices.

Resource for Architects and Developers

The book caters to multiple roles, providing insights into designing scalable, secure, and cost-effective serverless solutions.

Potential Limitations and Considerations

While the Azure Serverless Computing Cookbook 2nd Edition is comprehensive, there are some aspects to keep in mind:

- **Technical Prerequisites:** Readers should have basic familiarity with cloud concepts, Azure portal, and possibly some programming experience.
- **Platform Focus:** The book is tailored specifically for Azure; those interested in multi-cloud or hybrid architectures may need supplementary resources.

- Rapid Technological Changes: Cloud services evolve quickly; some recipes may require adaptation over time.

Conclusion: Is It Worth the Investment?

The Azure Serverless Computing Cookbook 2nd Edition stands out as a highly valuable resource for anyone aiming to deepen their understanding of serverless architectures on Azure. Its practical approach, updated content, and breadth of topics make it suitable for learners and practitioners alike.

Regarding the popular query on PDF free download, it's important to emphasize ethical acquisition methods. Supporting the authors and publishers ensures the continued production of quality educational materials. While free samples and resources are available, investing in the official edition provides comprehensive content, updates, and support that free downloads cannot guarantee.

In summary, if you are committed to mastering Azure serverless solutions, this cookbook offers an invaluable guide that can significantly accelerate your learning curve, enhance your project implementations, and keep you aligned with industry best practices.

[Azure Serverless Computing Cookbook 2nd Edition Pdf Free Download](#)

azure serverless computing cookbook 2nd edition pdf free download: Azure Serverless Computing Cookbook - Second Edition Praveen Kumar Sreeram, 2018-11-30 Over 50 practical recipes that will help you develop and deliver high-quality and reliable cloud-centric Azure serverless applications for your organization Key Features Leverage practical use cases to build a robust serverless environment Enhance Azure Functions with continuous deployment using Visual Studio Team Services Deploy and manage cost-effective and highly available serverless applications using Azure Functions Book Description Microsoft provides a solution for easily running small segments of code in the cloud with Azure Functions. The second edition of Azure Serverless Computing Cookbook starts with intermediate-level recipes on serverless computing along with some use cases demonstrating the benefits and key features of Azure Functions. You'll explore the core aspects of Azure Functions, such as the services it provides, how you can develop and write Azure Functions, and how to monitor and troubleshoot them. As you make your way through the chapters, you'll get practical recipes on integrating DevOps with Azure Functions, and providing continuous integration and continuous deployment with Azure DevOps. This book also provides hands-on, step-by-step tutorials based on real-world serverless use cases to guide you through configuring and setting up your serverless environments with ease. You will also learn how to build solutions for complex, real-world, workflow-based scenarios quickly and with minimal code using Durable Functions. In the concluding chapters, you will ensure enterprise-level security within your

serverless environment. The most common tips and tricks that you need to be aware of when working with Azure Functions on production environments will also be covered in this book. By the end of this book, you will have all the skills required for working with serverless code architecture, providing continuous delivery to your users. What you will learn Integrate Azure Functions with other Azure services Understand cloud application development using Azure Functions Employ durable functions for developing reliable and durable serverless applications Use SendGrid and Twilio services Explore code reusability and refactoring in Azure Functions Configure serverless applications in a production environment Who this book is for If you are a cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless applications with Azure Functions, then the Azure Serverless Computing Cookbook is for you. Hands-on experience with Microsoft Azure core services is required.

azure serverless computing cookbook 2nd edition pdf free download: Azure Serverless Computing Cookbook Praveen Kumar Sreeram, 2017-08-17 Over 50 recipes to help you build applications hosted on Serverless architecture using Azure Functions. About This Book Enhance Azure Functions with continuous deployment using Visual Studio Team Services Learn to deploy and manage cost-effective and highly available serverless applications using Azure Functions This recipe-based guide will teach you to build a robust serverless environment Who This Book Is For If you are a Cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless applications with Azure functions, then this book is for you. Prior knowledge and hands-on experience with core services of Microsoft Azure is required. What You Will Learn Develop different event-based handlers supported by serverless architecture supported by Microsoft Cloud Platform - Azure Integrate Azure Functions with different Azure Services to develop Enterprise-level applications Get to know the best practices in organizing and refactoring the code within the Azure functions Test, troubleshoot, and monitor the Azure functions to deliver high-quality, reliable, and robust cloud-centric applications Automate mundane tasks at various levels right from development to deployment and maintenance Learn how to develop statefulserverless applications and also self-healing jobs using DurableFunctions In Detail Microsoft provides a solution to easily run small segment of code in the Cloud with Azure Functions. Azure Functions provides solutions for processing data, integrating systems, and building simple APIs and microservices. The book starts with intermediate-level recipes on serverless computing along with some use cases on benefits and key features of Azure Functions. Then, we'll deep dive into the core aspects of Azure Functions such as the services it provides, how you can develop and write Azure functions, and how to monitor and troubleshoot them. Moving on, you'll get practical recipes on integrating DevOps with Azure functions, and providing continuous integration and continous deployment with Visual Studio Team Services. It also provides hands-on steps and tutorials based on real-world serverless use cases, to guide you through configuring and setting up your serverless environments with ease. Finally, you'll see how to manage Azure functions, providing enterprise-level security and compliance to your serverless code architecture. By the end of this book, you will have all the skills required to work with serverless code architecture, providing continuous delivery to your users. Style and approach This recipe-based guide explains the different features of Azure Function by taking a real-world application related to a specific domain. You will learn how to implement automation and DevOps and discover industry best practices to develop applications hosted on serverless architecture using Azure functions.

azure serverless computing cookbook 2nd edition pdf free download: Azure Serverless Computing Cookbook, Praveen Kumar Sreeram, 2018-11-30 Over 50 practical recipes that will help you develop and deliver high-quality and reliable cloud-centric Azure serverless applications for your organization Key FeaturesLeverage practical use cases to build a robust serverless environmentEnhance Azure Functions with continuous deployment using Visual Studio Team ServicesDeploy and manage cost-effective and highly available serverless applications using Azure FunctionsBook Description Microsoft provides a solution for easily running small segments of code in the cloud with Azure Functions. The second edition of Azure Serverless Computing Cookbook

starts with intermediate-level recipes on serverless computing along with some use cases demonstrating the benefits and key features of Azure Functions. You'll explore the core aspects of Azure Functions, such as the services it provides, how you can develop and write Azure Functions, and how to monitor and troubleshoot them. As you make your way through the chapters, you'll get practical recipes on integrating DevOps with Azure Functions, and providing continuous integration and continuous deployment with Azure DevOps. This book also provides hands-on, step-by-step tutorials based on real-world serverless use cases to guide you through configuring and setting up your serverless environments with ease. You will also learn how to build solutions for complex, real-world, workflow-based scenarios quickly and with minimal code using Durable Functions. In the concluding chapters, you will ensure enterprise-level security within your serverless environment. The most common tips and tricks that you need to be aware of when working with Azure Functions on production environments will also be covered in this book. By the end of this book, you will have all the skills required for working with serverless code architecture, providing continuous delivery to your users. What you will learn

- Integrate Azure Functions with other Azure services
- Understand cloud application development using Azure Functions
- Employ durable functions for developing reliable and durable serverless applications
- Use SendGrid and Twilio services
- Explore code reusability and refactoring in Azure Functions
- Configure serverless applications in a production environment

Who this book is for If you are a cloud administrator, architect, or developer who wants to build scalable systems and deploy serverless applications with Azure Functions, then the Azure Serverless Computing Cookbook is for you. Hands-on experience with Microsoft Azure core services is required.

azure serverless computing cookbook 2nd edition pdf free download: [Azure Serverless Computing Cookbook](#) Praveen Kumar Sreeram, 2020-06-19 Discover recipes for implementing solutions to real-world business problems through serverless applications

Key Features

- Test, troubleshoot, and monitor Azure functions to deliver high-quality and reliable cloud-centric applications
- Understand Visual Studio's integrated developer experience for Azure functions
- Explore best practices for organizing and refactoring code within the Azure functions

Book Description This third edition of Azure Serverless Computing Cookbook guides you through the development of a basic back-end web API that performs simple operations, helping you understand how to persist data in Azure Storage services. You'll cover the integration of Azure Functions with other cloud services, such as notifications (SendGrid and Twilio), Cognitive Services (computer vision), and Logic Apps, to build simple workflow-based applications. With the help of this book, you'll be able to leverage Visual Studio tools to develop, build, test, and deploy Azure functions quickly. It also covers a variety of tools and methods for testing the functionality of Azure functions locally in the developer's workstation and in the cloud environment. Once you're familiar with the core features, you'll explore advanced concepts such as durable functions, starting with a hello world example, and learn about the scalable bulk upload use case, which uses durable function patterns, function chaining, and fan-out/fan-in. By the end of this Azure book, you'll have gained the knowledge and practical experience needed to be able to create and deploy Azure applications on serverless architectures efficiently. What you will learn

- Implement continuous integration and continuous deployment (CI/CD) of Azure functions
- Develop different event-based handlers in a serverless architecture
- Integrate Azure functions with different Azure services to develop enterprise-level applications
- Accelerate your cloud application development using Azure function triggers and bindings
- Automate mundane tasks at various levels, from development to deployment and maintenance
- Develop stateful serverless applications and self-healing jobs using durable functions

Who this book is for If you are a cloud developer or architect who wants to build cloud-native systems and deploy serverless applications with Azure functions, this book is for you. Prior experience with Microsoft Azure core services will help you to make the most out of this book.

azure serverless computing cookbook 2nd edition pdf free download: [Azure Serverless Computing Cookbook - Third Edition](#) Praveen Sreeram, 2020 Discover recipes for implementing solutions to real-world business problems through serverless applications

Key Features Test,

troubleshoot, and monitor Azure functions to deliver high-quality and reliable cloud-centric applications Understand Visual Studio's integrated developer experience for Azure functions Explore best practices for organizing and refactoring code within the Azure functions Book Description This third edition of Azure Serverless Computing Cookbook guides you through the development of a basic back-end web API that performs simple operations, helping you understand how to persist data in Azure Storage services. You'll cover the integration of Azure Functions with other cloud services, such as notifications (SendGrid and Twilio), Cognitive Services (computer vision), and Logic Apps, to build simple workflow-based applications. With the help of this book, you'll be able to leverage Visual Studio tools to develop, build, test, and deploy Azure functions quickly. It also covers a variety of tools and methods for testing the functionality of Azure functions locally in the developer's workstation and in the cloud environment. Once you're familiar with the core features, you'll explore advanced concepts such as durable functions, starting with a hello world example, and learn about the scalable bulk upload use case, which uses durable function patterns, function chaining, and fan-out/fan-in. By the end of this Azure book, you'll have gained the knowledge and practical experience needed to be able to create and deploy Azure applications on serverless architectures efficiently. What you will learn Implement continuous integration and continuous deployment (CI/CD) of Azure functions Develop different event-based handlers in a serverless architecture Integrate Azure functions with different Azure services to develop enterprise-level applications Accelerate your cloud application development using Azure function triggers and bindings Automate mundane tasks at various levels, from development to deployment and maintenance Develop stateful serverless applications and self-healing jobs using durable functions Who this book is for If you are a cloud developer or architect who wants to build cloud-native systems and deploy serverless applications with Azure functions, this book is for you. Prior experience with Microsoft Azure core services will help you to make the most out of this book.

azure serverless computing cookbook 2nd edition pdf free download: [Mastering Azure Serverless Computing](#) Lorenzo Barbieri, Massimo Bonanni, 2019-11-22 Become an expert in implementing Azure Functions to work seamlessly with your serverless applications Key FeaturesDevelop scalable, robust multi-tier apps without worrying about infrastructure needsDeploy and manage cost-effective and highly available serverless apps using Azure FunctionsAccelerate enterprise-level application development by seamlessly integrating different cloud services with Azure FunctionsBook Description Application development has evolved from traditional monolithic app development to using serverless options and microservices. This book is designed to guide you through using Microsoft's Azure Functions to process data, integrate systems, and build simple APIs and microservices. You will discover how to apply serverless computing to speed up deployment and reduce downtime. You'll also explore Azure Functions, including its core functionalities and essential tools, along with understanding how to debug and even customize Azure Functions. In addition to this, the book will take you through how you can effectively implement DevOps and automation in your working environment. Toward the concluding chapters, you'll cover some quick tips, troubleshooting techniques, and real-world serverless use cases that will help you make the most of serverless computing. By the end of this book, you will have gained the skills you need to develop and deliver cost-effective Azure serverless solutions. What you will learnCreate and deploy advanced Azure FunctionsLearn to extend the runtime of Azure FunctionsOrchestrate your logic through code or a visual workflowAdd caching, security, routing, and filtering to your APIsUse serverless technologies in real-world scenariosUnderstand how to apply DevOps and automation to your working environmentWho this book is for This book is designed for cloud administrators, architects, and developers interested in building scalable systems and deploying serverless applications with Azure Functions. Prior knowledge of core Microsoft Azure services and Azure Functions is necessary to understand the topics covered in this book.

azure serverless computing cookbook 2nd edition pdf free download: [Learn Azure in a Month of Lunches, Second Edition](#) Iain Foulds, 2020-10-06 Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll

work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. Summary You can be incredibly productive with Azure without mastering every feature, function, and service. Learn Azure in a Month of Lunches, Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications. About the book Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside Understanding Azure beyond point-and-click Securing applications and data Automating your environment Azure services for machine learning, containers, and more About the reader This book is for readers who can write and deploy simple web or client/server applications. About the author Iain Foulds is an engineer and senior content developer with Microsoft. Table of Contents PART 1 - AZURE CORE SERVICES 1 Before you begin 2 Creating a virtual machine 3 Azure Web Apps 4 Introduction to Azure Storage 5 Azure Networking basics PART 2 - HIGH AVAILABILITY AND SCALE 6 Azure Resource Manager 7 High availability and redundancy 8 Load-balancing applications 9 Applications that scale 10 Global databases with Cosmos DB 11 Managing network traffic and routing 12 Monitoring and troubleshooting PART 3 - SECURE BY DEFAULT 13 Backup, recovery, and replication 14 Data encryption 15 Securing information with Azure Key Vault 16 Azure Security Center and updates PART 4 - THE COOL STUFF 17 Machine learning and artificial intelligence 18 Azure Automation 19 Azure containers 20 Azure and the Internet of Things 21 Serverless computing

azure serverless computing cookbook 2nd edition pdf free download: Mastering Azure Serverless Computing Dr. Abhishek Mishra , 2025-04-29 DESCRIPTION Mastering Azure Serverless Computing offers a modern approach to application development, enabling developers to build and deploy applications without managing infrastructure. This approach allows for faster development, greater scalability, and reduced operational costs. This book is your guide to building agile and cost-effective cloud applications using Microsoft Azure's Serverless technologies. This updated edition expands core serverless concepts and services like Azure Functions, Azure Durable Functions, and Azure Logic Apps. New to this edition is comprehensive coverage of Azure Serverless Cosmos DB for globally distributed NoSQL applications and a dedicated exploration of containerized serverless deployments through Azure Serverless Kubernetes and the streamlined Azure Container Apps service. The book features completely revamped Azure Portal screenshots reflecting the latest interface. The concluding sections on designing and implementing serverless solutions have been significantly enhanced with detailed scenarios and a new, practical end-to-end implementation lab focused on a Customer Tweet Analysis application, solidifying your ability to architect real-world solutions. By the end of this book, you will be adept at leveraging the full spectrum of Azure Serverless Services. You will possess the practical skills to design, develop, and deploy highly scalable, cost-optimized, and innovative Serverless applications, equipped with the knowledge of the newest services and updated best practices in the Azure ecosystem. WHAT YOU WILL LEARN ● Explore newly added Azure Serverless Cosmos DB for global NoSQL and foundational Azure Serverless Services. ● Learn to design and build Serverless containerized workloads on Azure using the newly introduced Azure Container Apps service. ● Design and implement practical Serverless solutions, benefiting from updated Azure Portal visuals and a new end-to-end Customer Tweet Analysis lab. ● Develop event-driven code with Azure Functions, mastering triggers and bindings. ●

Orchestrate stateful Serverless workflows using Durable Functions' patterns. ● Design visual integration workflows with Azure Logic Apps' connectors and controls. ● Build reactive systems leveraging Azure Event Grid's event routing capabilities. ● Implement reliable asynchronous messaging with Azure Service Bus Queues and Topics. ● Deploy and manage containerized apps on Azure Serverless Kubernetes effectively. WHO THIS BOOK IS FOR This book is for cloud enthusiasts familiar with basic cloud concepts, architects, and developers possessing Azure Fundamentals knowledge. Architects and developers proficient in Azure Fundamentals can use this book to learn Azure Serverless Computing and apply the knowledge gained to design and build solutions in this area. TABLE OF CONTENTS 1. Introduction to Azure Serverless Computing 2. Azure Functions 3. Azure Durable Functions 4. Azure Logic Apps 5. Azure Event Grid 6. Azure Service Bus 7. Azure Serverless SQL Database 8. Azure Serverless Kubernetes 9. Azure Serverless Cosmos DB 10. Azure Container Apps 11. Designing Azure Serverless Solutions 12. Implementing Azure Serverless Solutions

azure serverless computing cookbook 2nd edition pdf free download: Learn Azure in a Month of Lunches Iain Foulds, 2018-10-26 Summary You don't need to learn everything about Azure to do some incredible stuff. Learn Azure in a Month of Lunches gets you started by breaking down the most important concepts and tasks into 21 bite-sized lessons, complete with examples, exercises, and labs. You'll be productive immediately, and when you finish you'll be well on the way to Azure mastery! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology With hundreds of features and prebuilt services, the Microsoft Azure cloud platform is vast and powerful. To master it, you need a trustworthy guide. In this hands-on book, Microsoft engineer and Azure trainer Iain Foulds focuses on the core skills you need to create and maintain cloud-based applications. About the Book Learn Azure in a Month of Lunches teaches you the foundational techniques for writing, deploying, and running cloud-based applications in Azure. In it, you'll master the basics, including setting up cloud-based virtual machines, deploying web servers, and using hosted data stores. As you work through the book's 21 carefully planned lessons, you'll explore big-picture concerns like security, scaling, and automation. You'll even dabble in Azure's prebuilt services for machine containers, and serverless computing! What's Inside Getting started, from your first login Writing and deploying web servers Securing your applications and data Automating your environment Azure services for machine learning, serverless computing, and more About the Reader Readers should be able to write and deploy simple web or client/server applications. About the Author Iain Foulds is an engineer and senior content developer with Microsoft. . Table of Contents PART 1 - AZURE CORE SERVICES Before you begin Creating a virtual machine Azure Web Apps Introduction to Azure Storage Azure Networking basics PART 2 - HIGH AVAILABILITY AND SCALE Azure Resource Manager High availability and redundancy Load-balancing applications Applications that scale Global databases with Cosmos DB Managing network traffic and routing Monitoring and troubleshooting PART 3 - SECURE BY DEFAULT Backup, recovery, and replication Data encryption Securing information with Azure Key Vault Azure Security Center and updates PART 4 - THE COOL STUFF Machine learning and artificial intelligence Azure Automation Azure containers Azure and the Internet of Things Serverless computing

azure serverless computing cookbook 2nd edition pdf free download: Serverless Computing Using Azure Functions Varun Kumar, Ketan Agnihotri, 2021-07-26 A complete end-to-end guide to implement Azure Functions and serverless orchestration with the help of various use cases. KEY FEATURES ● Step-by-step guide along with code snippets and screenshots to master the topics. ● Easy handbook to brush up the fundamental concepts and advanced topics of Serverless computing. ● Includes real use-cases and numerous scenarios on creating Azure functions, its security, deployment, and troubleshooting them. ● Understand how to monitor, troubleshoot, and perform advanced level diagnostics on Azure functions. DESCRIPTION Serverless is the current ongoing trend in the cloud industry that allows you to focus on code without worrying about the underlying infrastructure and helps in cost optimizations by providing pay for what you use. This

book provides a practical mentoring with a step-by-step guide on how to create and work on Azure functions. You will be benefited with various use cases, illustrations, and visual representation to address complex problems around serverless computing. The book will help you to integrate Azure functions with other Azure services, seamlessly, without the need of writing much code. The book brings exclusive coverage on managing the deployment and security of the Azure functions. You will learn how to use different methods to monitor the Azure functions and how to perform correct diagnostics and troubleshooting without the use of any third-party integrations. Towards the end of this book, you also learn to create rich dashboards and visualizations using Power BI to monitor and run analytics on Azure functions.

WHAT YOU WILL LEARN

- Learn to easily create Azure functions using multiple tools and options.
- Learn to use triggers and bindings for integrating Azure functions with other Azure services.
- Get to know how to orchestrate the serverless workflow using Azure Durable functions.
- Learn to practice security mechanisms to secure Azure functions in the production environment.
- Learn to build CD pipelines for deploying Azure functions using DevOps tools.

WHO THIS BOOK IS FOR This book is for developers, DevOps engineers, technical specialists, architects and consultants at all levels, who want to build and deploy serverless applications with Azure functions. Some prior experience with C# (for developers) and fundamental Microsoft Azure services will help you to make the most of this book. However, the book is intended for each type of cloud-specific role.

TABLE OF CONTENTS

1. Overview of Azure and Serverless Computing
2. Introduction to Azure Functions
3. Creating Your First Function
4. Azure Functions Triggers and Bindings
5. Durable Functions and Orchestration
6. Configuring Security for Azure Functions
7. Continuous Deployment for Azure Functions
8. Troubleshooting and Monitoring Azure Functions

azure serverless computing cookbook 2nd edition pdf free download: Mastering Azure Serverless Computing Abhishek Mishra, 2020-07-31 A comprehensive guide that will teach you to build and implement Azure serverless solutions

KEY FEATURES

- Learn the Function as a Service (FaaS) offering from Microsoft Azure
- Build Enterprise-grade workflows and integration using Azure Logic App
- Build event-driven Serverless solutions using Azure Event Grid
- Use Azure Service Bus to facilitate messaging between Azure Serverless components
- Implement advanced Serverless services such as Azure Serverless SQL Database and Azure Serverless Kubernetes

DESCRIPTION

The book starts with the basic concepts of Serverless Computing, its evolution, characteristics, and benefits. The next set of chapters is based on Azure Function as a Service (FaaS) programming model where you will gain proficiency in creating Serverless Azure Function, which is the basic unit of Azure Serverless Computing. Furthermore, the book focuses on building Azure Serverless Messaging, Integration, and Workflow that facilitates communication between components in the Azure Serverless ecosystem. Azure Logic Apps, Azure Event Grid, and Azure Service Bus are explained in detail. You will also work with advanced Azure Serverless services such as Azure Serverless Database and Azure Serverless Kubernetes that are essential for building highly scalable (at runtime) next-generation Serverless applications. Towards the end, the book focuses on reference architectures for Serverless Computing scenarios.

By now, you will be proficient in working with Azure Serverless components, and their integration and can design and build an end to end Azure Serverless solution.

WHAT WILL YOU LEARN

- Design and implement Serverless workflows using Azure Logic Apps
- Design and implement Integration Services using Azure Event Grid
- Learn how to build Messaging Services on Azure Serverless platform
- Work with Azure Serverless SQL database
- Get familiar with Azure Serverless Kubernetes Architecture

WHO THIS BOOK IS FOR

Anyone familiar with Cloud Fundamentals can use this book to get upskilled in Azure Serverless Computing and become an expert in it. Architects and Developers proficient in Microsoft Azure can use this book to learn Azure Serverless Computing and apply the knowledge gained to design and build solutions in this area.

TABLE OF CONTENTS

1. Introduction to Azure Serverless Computing
2. Azure Functions
3. Azure Durable Functions
4. Azure Logic Apps
5. Azure Event Grid
6. Azure Service Bus
7. Azure Serverless SQL Database
8. Azure Serverless Kubernetes
9. Designing Azure Serverless Solutions
10. Implementing Azure Serverless Solutions

azure serverless computing cookbook 2nd edition pdf free download: Serverless

computing in Azure with .NET Sasha Rosenbaum, 2017-08-17 Harness the power of the Cloud, leveraging the speed and scale of Azure Serverless computing About This Book Take advantage of the agility, scale, and cost-effectiveness of the cloud using Azure Serverless compute Build scalable, reliable, and cost-efficient applications with Serverless architecture and .NET Learn to use Azure functions to their fullest potential in .NET Who This Book Is For This book is for .NET developers who would like to learn about serverless architecture. Basic C# programming knowledge is assumed. What You Will Learn Understand the best practices of Serverless architecture Learn how to deploy a Text Sentiment Evaluation application in an Azure Serverless environment Implement security, identity, and access control Take advantage of the speed of deployment in the cloud Configure application health monitoring, logging, and alerts Design your application to ensure cost effectiveness, high availability, and scale In Detail Serverless architecture allows you to build and run applications and services without having to manage the infrastructure. Many companies have started adopting serverless architecture for their applications to save cost and improve scalability. This book will be your companion in designing Serverless architecture for your applications using the .NET runtime, with Microsoft Azure as the cloud service provider. You will begin by understanding the concepts of Serverless architecture, its advantages and disadvantages. You will then set up the Azure environment and build a basic application using a sample text sentiment evaluation function. From here, you will be shown how to run services in a Serverless environment. We will cover the integration with other Azure and 3rd party services such as Azure Service Bus, as well as configuring dependencies on NuGet libraries, among other topics. After this, you will learn about debugging and testing your Azure functions, and then automating deployment from source control. Securing your application and monitoring its health will follow from there, and then in the final part of the book, you will learn how to Design for High Availability, Disaster Recovery and Scale, as well as how to take advantage of the cloud pay-as-you-go model to design cost-effective services. We will finish off with explaining how azure functions scale up against AWS Lambda, Azure Web Jobs, and Azure Batch compare to other types of compute-on-demand services. Whether you've been working with Azure for a while, or you're just getting started, by the end of the book you will have all the information you need to set up and deploy applications to the Azure Serverless Computing environment. Style and approach This step-by-step guide shows you the concepts and features of Serverless architecture in Azure with .NET.

azure serverless computing cookbook 2nd edition pdf free download: Learning Azure

Functions Manisha Yadav, Mitesh Soni, 2017-09-28 Embracing the cloud—a Serverless architecture to solve problems at scale About This Book Learn to develop, manage, deploy, and monitor Azure functions in any language. Make the most out of Azure functions to build scalable systems. A step-by-step guide that will help you eliminate the pain points of implementing a serverless architecture. Who This Book Is For This book aims at IT architects and developers who want to build scalable systems and deploy serverless applications with Azure functions. No prior knowledge of Azure functions is necessary. What You Will Learn Understand the folder structure of a function and the purposes of the files Deploy a function and test it Explore the common triggers that are used to activate a function Discover how bindings can be used to output the results of a function Build a dll that has functionality that can be leveraged by a function Chain functions to allow the invocation of one function from another Understand how to monitor the health of your functions In Detail Functions help you easily run small pieces of code in cloud with Azure functions without worrying about a whole application or the infrastructure to run it. With Azure functions, you can use triggers to execute your code and bindings to simplify the input and output of your code. This book will start with the basics of Azure Functions. You will learn the steps to set up the environment and the tools that we will be using in the further chapters. Once you have a better understanding of this, we will be creating our first hello world function app. Later you will be introduced to triggers, how they are used to activate a function, and how binding can be used to output results of a function. You will also explore the steps to create an assembly with complex functionality that can be used by functions.

Next, this book will teach you to scale your functions and use them to process data, integrate systems, and build simple APIs and microservices. Finally, this book will cover some diagnostic techniques with Azure App services and best practices of working with Azure Functions. By the end of this book, you will be well-versed with the techniques of scaling your Azure functions and making the most of serverless architecture. Style and Approach A step-by-side guide filled with real world examples that will guide you with the steps to build a scalable Cloud system

azure serverless computing cookbook 2nd edition pdf free download: Azure Data Factory Cookbook Dmitry Anoshin, Dmitry Foshin, Roman Storchak, Xenia Ireton, 2020-12-24 Solve real-world data problems and create data-driven workflows for easy data movement and processing at scale with Azure Data Factory Key Features Learn how to load and transform data from various sources, both on-premises and on cloud Use Azure Data Factory's visual environment to build and manage hybrid ETL pipelines Discover how to prepare, transform, process, and enrich data to generate key insights Book Description Azure Data Factory (ADF) is a modern data integration tool available on Microsoft Azure. This Azure Data Factory Cookbook helps you get up and running by showing you how to create and execute your first job in ADF. You'll learn how to branch and chain activities, create custom activities, and schedule pipelines. This book will help you to discover the benefits of cloud data warehousing, Azure Synapse Analytics, and Azure Data Lake Gen2 Storage, which are frequently used for big data analytics. With practical recipes, you'll learn how to actively engage with analytical tools from Azure Data Services and leverage your on-premise infrastructure with cloud-native tools to get relevant business insights. As you advance, you'll be able to integrate the most commonly used Azure Services into ADF and understand how Azure services can be useful in designing ETL pipelines. The book will take you through the common errors that you may encounter while working with ADF and show you how to use the Azure portal to monitor pipelines. You'll also understand error messages and resolve problems in connectors and data flows with the debugging capabilities of ADF. By the end of this book, you'll be able to use ADF as the main ETL and orchestration tool for your data warehouse or data platform projects. What you will learn Create an orchestration and transformation job in ADF Develop, execute, and monitor data flows using Azure Synapse Create big data pipelines using Azure Data Lake and ADF Build a machine learning app with Apache Spark and ADF Migrate on-premises SSIS jobs to ADF Integrate ADF with commonly used Azure services such as Azure ML, Azure Logic Apps, and Azure Functions Run big data compute jobs within HDInsight and Azure Databricks Copy data from AWS S3 and Google Cloud Storage to Azure Storage using ADF's built-in connectors Who this book is for This book is for ETL developers, data warehouse and ETL architects, software professionals, and anyone who wants to learn about the common and not-so-common challenges faced while developing traditional and hybrid ETL solutions using Microsoft's Azure Data Factory. You'll also find this book useful if you are looking for recipes to improve or enhance your existing ETL pipelines. Basic knowledge of data warehousing is expected.

azure serverless computing cookbook 2nd edition pdf free download: Azure Serverless Computing, 2018 Learn the fundamentals of Azure Platform as a Service in this course on serverless computing for developers.

azure serverless computing cookbook 2nd edition pdf free download: Azure Cookbook Reza Salehi, 2023-06-22 How do you deal with the problems you face when using Azure? This practical guide provides over 75 recipes to help you to work with common Azure issues in everyday scenarios. That includes key tasks like setting up permissions for a storage account, working with Cosmos DB APIs, managing Azure role-based access control, governing your Azure subscriptions using Azure Policy, and much more. Author Reza Salehi has assembled real-world recipes that enable you to grasp key Azure services and concepts quickly. Each recipe includes CLI scripts that you can execute in your own Azure account. Recipes also explain the approach and provide meaningful context. The solutions in this cookbook will take you beyond theory and help you understand Azure services in practice. You'll find recipes that let you: Store data in an Azure storage account or in a data lake Work with relational and nonrelational databases in Azure Manage

role-based access control (RBAC) for Azure resources Safeguard secrets in Azure Key Vault Govern your Azure subscription using Azure Policy Use CLI code to construct your application or fix a particular problem

azure serverless computing cookbook 2nd edition pdf free download: Beginning Serverless Architectures with Microsoft Azure Daniel Bass, 2018-07-25 Migrating your application to a cloud-based serverless architecture doesn't have to be difficult. Reduce complexity and minimize the time you spend administering servers or worrying about availability with this comprehensive guide to serverless applications on Azure. Key Features Provides information on integration of Azure products Plan and implement your own serverless backend to meet tried-and-true development standards Includes step-by-step instructions to help you navigate advanced concepts and application integrations Book Description Many businesses are rapidly adopting a microservices-first approach to development, driven by the availability of new commercial services like Azure Functions and AWS Lambda. In this book, we'll show you how to quickly get up and running with your own serverless development on Microsoft Azure. We start by working through a single function, and work towards integration with other Azure services like App Insights and Cosmos DB to handle common user requirements like analytics and highly performant distributed storage. We finish up by providing you with the context you need to get started on a larger project of your own choosing, leaving you equipped with everything you need to migrate to a cloud-first serverless solution. What you will learn Identify the key advantages and disadvantages of serverless development Build a fully-functioning serverless application and utilize a wide variety of Azure services Create, deploy, and manage your own Azure Functions in the cloud Implement core design principles for writing effective serverless code Who this book is for This book is ideal for back-end developers or engineers who want a quick hands-on introduction to developing serverless applications within the Microsoft ecosystem.

azure serverless computing cookbook 2nd edition pdf free download: Unlock the Power of Serverless Computing with Serverless Azure Frahaan Hussain, Kameron Hussain, 2025-04-14 Unlock the power of serverless computing with Serverless Azure: Fast Track to Functions & Logic Apps, a comprehensive, hands-on guide designed for developers, cloud architects, and IT professionals eager to master Microsoft Azure's powerful serverless tools. This book demystifies Azure's serverless suite, taking you from the fundamentals to advanced implementation with clarity and precision. Whether you're building event-driven apps with Azure Functions or orchestrating workflows with Logic Apps, this guide delivers step-by-step insights, real-world use cases, and professional tips to accelerate your journey. You'll begin with a clear introduction to the serverless paradigm-its benefits, common use cases, and a detailed overview of Azure's serverless offerings. From there, dive deep into Azure Functions, exploring architecture, triggers, bindings, and deployment strategies. Gain mastery in designing and debugging complex Logic Apps, and learn how to connect your apps with various services and APIs for seamless integration. As you progress, you'll uncover real-time event-driven solutions using Event Grid and Service Bus, explore powerful orchestration patterns with Durable Functions, and build resilient, scalable applications. Learn how to streamline your CI/CD pipeline with GitHub Actions and Azure DevOps, implement Infrastructure as Code with Bicep and ARM templates, and manage versioning and deployments with best practices. Security is not an afterthought. Dedicated chapters guide you through identity management, using Key Vault, monitoring compliance, and implementing governance at scale. You'll also find practical strategies for optimizing performance, managing costs, and diagnosing issues using Azure Monitor and diagnostic tools. The final chapters are packed with enterprise-grade use cases across automation, IoT, and e-commerce, along with forward-looking insights on emerging trends in serverless architecture, AI integration, and how to future-proof your skills. Highlights include: Detailed walkthroughs for Azure Functions & Logic Apps Real-world case studies and practical scenarios Integration with Event Grid, Service Bus, and external APIs DevOps automation with CI/CD pipelines Advanced topics like Durable Functions, error handling, and security Cost optimization, performance tuning, and monitoring strategies Appendices with glossary, sample

projects, API references, and FAQs Whether you're new to serverless or scaling enterprise solutions, this book equips you with the knowledge and confidence to build robust, modern applications on Azure-faster and smarter.

azure serverless computing cookbook 2nd edition pdf free download: Azure Networking Cookbook Mustafa Toroman, 2020-12-17 Find out how you can leverage virtual machines and load balancers to facilitate secure and efficient networking Key FeaturesDiscover the latest networking features and additions in Microsoft Azure with this updated guideUpgrade your cloud networking skills by learning how to plan, implement, configure, and secure your infrastructure networkProvide a fault-tolerant environment for your apps using Azure networking servicesBook Description Azure's networking services enable organizations to manage their networks effectively. With the Azure Networking Cookbook, you'll see how Azure paves the way for an enterprise to achieve reliable performance and secure connectivity. This updated second edition will take you through the latest networking features in Azure. The book starts with an introduction to Azure networking, covering basics such as creating Azure virtual networks, designing address spaces, and creating subnets. You'll create and manage network security groups, application security groups, and IP addresses in Azure using easy-to-follow recipes. As you progress through the book, you'll explore various aspects such as DNS and routing, load balancers, Traffic Manager, and site-to-site, point-to-site, and VNet-to-VNet connections. This cookbook covers all the functions crucial to understanding cloud networking practices and being able to plan, implement, and secure your network infrastructure with Azure. You'll not only upscale your current environment but also get well-versed with monitoring, diagnosing, and ensuring secure connectivity. The book will help you grasp best practices as you learn how to create a robust environment. By the end of this Azure cookbook, you'll have gained hands-on experience developing cost-effective solutions that can facilitate efficient connectivity in your organization. What you will learnGet to grips with building Azure networking servicesUnderstand how to create and work on hybrid connectionsConfigure and manage Azure networking servicesExplore ways to design high availability network solutions in AzureDiscover how to monitor and troubleshoot Azure network resourcesWork with different methods to connect local networks to Azure virtual networksWho this book is for This cookbook is for cloud architects, cloud solution providers, and anyone who deals with networking on Azure. A basic understanding of Azure will help you to make the most of this book.

azure serverless computing cookbook 2nd edition pdf free download: Integrating Serverless Architecture Rami Vemula, 2019-08-13 Design, develop, build, and deploy an end-to-end serverless architecture by leveraging Azure services, frameworks, and tools. This book offers a holistic approach, guiding you through the design and development of a Twitter Bot application, while leveraging Azure Functions. Integrating Serverless Architecture begins with an overview of serverless computing and getting started with Azure Functions. Here, you will create a Twitter bot function which scans Twitter for the latest tweets and makes use of dependency injection. Further, you will learn about Azure Cosmos DB where you will cover its change feed mechanism and the repository pattern. You will create a Cosmos DB trigger-based tweet notifier function, which will broadcast the latest tweets to connected clients. You will explore the basics of Azure Service Bus and create a tweet scheduler function, which will prioritize different keywords for the Twitter bot function. Along the way, you will debug, deploy, and test the functions in the Azure environment. This book shows you how to secure your Azure Function secrets with the help of Azure Key Vault. To further your understanding of the technology, you will learn logging and exception handling in Azure Functions. Later in the book, you will build a Twitter bot web application by using ASP.NET Core and Materialize CSS, which will interact with several HTTP-based Azure Functions. The Twitter bot web application allows users to log in through the Twitter Identity Provider, subscribe to different keywords/hashtags, and browse the latest tweets based on subscriptions. You will get started with SignalR Service and integrate it with Azure Functions and web applications. Towards the end you will go through app service authentication on Azure Functions and discover how to configure continuous integration and deployment to Azure Functions. After reading this book, you will be able

to understand the steps involved in design, development, and deployment of a workflow using Azure Functions. What You Will Learn Design and develop a Twitter bot application using Azure Functions with Azure Web App Service as the front end Leverage Azure Cosmos DB as data storage and trigger notifications using its change feed mechanism Store and retrieve secrets from Azure Key Vault Integrate Azure Functions with Azure SignalR Service to broadcast real-time messages Secure Azure Functions by enabling Twitter identity authentication using built-in App Service authentication Build a continuous integration and continuous deployment pipeline for Azure Functions using Visual Studio Team Services (VSTS) Who This Book Is For Developers, software engineers, and architects who design and manage infrastructures and build applications by leveraging Microsoft cloud services.

Related to azure serverless computing cookbook 2nd edition pdf free download

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, deploy, and manage cloud applications and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to access and manage your cloud resources and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, manage, and deploy cloud applications and services

Volume Licensing Central Manage your volume licensing in Microsoft Azure

Sign in to Microsoft Azure Sign in to manage and access your cloud resources and services with Microsoft Azure

Sign in to Microsoft Azure Manage and monitor your IT infrastructure with Microsoft Operations Management Suite on Azure

Sign in to Microsoft Entra Manage identities, access, and applications securely with the Microsoft Entra admin center

Sign in to Microsoft Entra Sign in to Microsoft Entra to manage and access your Azure Active Directory resources securely

Microsoft Azure Microsoft AzureSign in to Azure

Sign in to Microsoft Entra Microsoft Entra admin center helps manage and secure your organization's identity and access with advanced tools and features

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, deploy, and manage cloud applications and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to access and manage your cloud resources and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, manage, and deploy cloud applications and services

Volume Licensing Central Manage your volume licensing in Microsoft Azure

Sign in to Microsoft Azure Sign in to manage and access your cloud resources and services with Microsoft Azure

Sign in to Microsoft Azure Manage and monitor your IT infrastructure with Microsoft Operations Management Suite on Azure

Sign in to Microsoft Entra Manage identities, access, and applications securely with the Microsoft Entra admin center

Sign in to Microsoft Entra Sign in to Microsoft Entra to manage and access your Azure Active Directory resources securely

Microsoft Azure Microsoft AzureSign in to Azure

Sign in to Microsoft Entra Microsoft Entra admin center helps manage and secure your organization's identity and access with advanced tools and features

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, deploy, and manage cloud

applications and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to access and manage your cloud resources and services

Sign in to Microsoft Azure Sign in to Microsoft Azure to build, manage, and deploy cloud applications and services

Volume Licensing Central Manage your volume licensing in Microsoft Azure

Sign in to Microsoft Azure Sign in to manage and access your cloud resources and services with Microsoft Azure

Sign in to Microsoft Azure Manage and monitor your IT infrastructure with Microsoft Operations Management Suite on Azure

Sign in to Microsoft Entra Manage identities, access, and applications securely with the Microsoft Entra admin center

Sign in to Microsoft Entra Sign in to Microsoft Entra to manage and access your Azure Active Directory resources securely

Microsoft Azure Microsoft AzureSign in to Azure

Sign in to Microsoft Entra Microsoft Entra admin center helps manage and secure your organization's identity and access with advanced tools and features

Related Articles

- [integrated perspectives in global studies pdf](#)
- [jung red book pdf](#)
- [zen and the art of archery pdf](#)

[Back to Home](#)